

EXPRESS MAIL LABEL NO. EV443087985US

Form PTO-1449

Sheet 1 of 1

Applicant: Tianming Chen

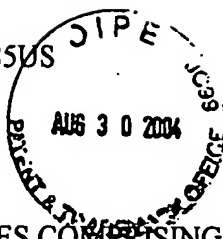
Serial No.: 10/715,003

Filing Date: November 17, 2003

For: BLEACHING DEVICES COMPRISING A BARRIER LAYER AND A

BLEACHING COMPOSITION COMPRISING

POLYVINYLPIRROLIDONE



Att'y Docket No.: 7678.804.1.2

Group: 1614

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

Other Documents

(including author, title, pertinent pages, etc.)

Examiner

Initial*

Technical Bulletin: Hydrogen Peroxide-Polyvinylpyrrolidone Polymer Complexes, International Specialty Products, 1361 Alps Road, Wayne New Jersey 07470, www.ispcorp.com (Dec. 2003)

References Cited by Applicants

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Examiner:

Date Considered:

11/23/05

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Tianming Chen

Serial No.:

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Att'y Docket No.: 7678.804.1.2

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For:

BLEACHING DEVICES COMPRISING A BARRIER LAYER AND A
BLEACHING COMPOSITION COMPRISING
POLYVINYLPIRROLIDONEINFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>
LR ₁	5,989,526	11/23/99	Aaslyng et al.
LR ₂	6,503,485	01/07/03	Allred
LR ₃	6,419,905	07/16/02	Alvarez Hernandez
LR ₄	4,900,721	2/13/90	Bansemir
LR ₅	5,945,032	08/31/99	Breitenbach et al.
LR ₆	5,236,696	08/17/93	Catiis et al.
LR ₇	5,256,328	10/26/93	Cavanagh et al.
LR ₈	6,689,344	2/10/04	Chang et al.
LR ₉	5,766,574	06/16/98	Christina-Beck et al.
LR ₁₀	6,548,470	04/15/03	De Buzzaccarini et al.
LR ₁₁	6,086,372	07/11/00	Diamond
LR ₁₂	5,989,569	11/23/99	Dirksing et al.
LR ₁₃	6,045,811	04/04/00	Dirksing et al.
LR ₁₄	3,996,152	12/07/76	Edwards et al.

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Att'y Docket No.: 7678.804.1.2
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<u>LR</u> 15	6,193,958	02/27/01	Edwards et al.
<u>LR</u> 16	5,098,303	03/24/92	Fischer
<u>LR</u> 17	5,234,342	08/10/93	Fischer
<u>LR</u> 18	5,376,006	12/27/94	Fischer
<u>LR</u> 19	5,409,631	04/25/95	Fischer
<u>LR</u> 20	5,685,712	11/11/97	Fischer
<u>LR</u> 21	5,692,900	12/02/97	Fischer
<u>LR</u> 22	5,722,833	03/03/98	Fischer et al.
<u>LR</u> 23	5,725,843	03/10/98	Fischer
<u>LR</u> 24	5,746,598	05/10/98	Fischer
<u>LR</u> 25	5,759,037	06/02/98	Fischer
<u>LR</u> 26	5,759,038	06/02/98	Fischer
<u>LR</u> 27	5,770,105	06/23/98	Fischer
<u>LR</u> 28	5,770,182	06/23/98	Fischer
<u>LR</u> 29	5,846,058	12/08/98	Fischer
<u>LR</u> 30	5,851,512	12/22/98	Fischer
<u>LR</u> 31	5,855,870	01/05/99	Fischer
<u>LR</u> 32	5,851,512	12/22/98	Fischer
<u>LR</u> 33	5,855,870	01/05/99	Fischer

Examiner:

Regah Robert

Date Considered:

11/23/05

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10/715,003

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POLYVINYLPIRROLIDONE

Att'y Docket No.: 7678.804.1.2

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<u>34</u>	5,944,698	08/31/99	Fischer et al.
<u>35</u>	5,985,249	11/16/99	Fischer
<u>36</u>	6,010,683	01/04/00	Fischer
<u>37</u>	6,036,943	03/14/00	Fischer
<u>38</u>	6,086,855	07/00	Fischer
<u>39</u>	6,183,251	02/01	Fischer
<u>40</u>	5,575,654	11/19/96	Fontenot
<u>41</u>	5,759,598	06/02/98	Gajer
<u>42</u>	6,545,174	04/08/03	Habeck et al.
<u>43</u>	5,760,102	06/02/98	Hall et al.
<u>44</u>	5,599,525	02/04/97	Hsu et al.
<u>45</u>	5,785,527	07/28/98	Jensen et al.
<u>46</u>	5,858,332	01/12/99	Jensen et al.
<u>47</u>	6,306,370	10/23/01	Jensen et al.
<u>48</u>	6,309,625	10/30/01	Jensen et al.
<u>49</u>	6,312,671	11/06/01	Jensen et al.
<u>50</u>	6,322,774	11/27/01	Jensen et al.
<u>51</u>	6,368,576	04/09/02	Jensen et al.
<u>52</u>	6,387,353	05/14/02	Jensen et al.

Examiner:

Lefah Robert

Date Considered:

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<u>LR</u> 53	6,409,993	06/25/02	Jensen et al.
<u>LR</u> 54	3,499,844	03/10/70	Kibbel et al.
<u>LR</u> 55	6,682,721	01/27/04	Kim et al.
<u>LR</u> 56	5,000,942	03/19/91	Libin
<u>LR</u> 57	5,183,901	02/02/93	Login et al.
<u>LR</u> 58	5,206,385	08/27/93	Login et al.
<u>LR</u> 59	5,785,957	07/28/98	Losee et al.
<u>LR</u> 60	6,149,211	11/21/00	Losee et al.
<u>LR</u> 61	5,573,399	11/12/96	McClintock, II
<u>LR</u> 62	6,108,850	08/29/00	McLaughlin
<u>LR</u> 63	5,008,093	04/16/91	Merianos
<u>LR</u> 64	5,008,106	04/16/91	Merianos et al.
<u>LR</u> 65	5,108,742	04/28/94	Merianos
<u>LR</u> 66	5,130,124	07/14/92	Merianos et al.
<u>LR</u> 67	5,922,307	07/13/99	Montgomery
<u>LR</u> 68	5,994,528	08/31/99	Montgomery
<u>LR</u> 69	6,162,055	12/19/00	Montgomery et al.
<u>LR</u> 70	6,221,341	04/24/01	Montgomery
<u>LR</u> 71	RE34,196	03/16/93	Munro

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Leah R. Lee 11/23/03
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<u>LR</u> ₇₂	5,122,365	06/16/92	Murayama
<u>LR</u> ₇₃	5,401,495	03/28/95	Murayama
<u>LR</u> ₇₄	6,116,900	09/12/00	Ostler
<u>LR</u> ₇₅	5,928,628	07/27/99	Pellico
<u>LR</u> ₇₆	4,775,525	10/04/88	Pera
<u>LR</u> ₇₇	6,080,397	06/27/00	Pfirmann
<u>LR</u> ₇₈	5,698,182	12/16/97	Prencipe et al.
<u>LR</u> ₇₉	5,736,158	04/07/98	Quast
<u>LR</u> ₈₀	3,657,413	04/18/72	Rosenthal
<u>LR</u> ₈₁	5,879,691	03/09/99	Sagel et al.
<u>LR</u> ₈₂	5,891,453	04/06/99	Sagel et al.
<u>LR</u> ₈₃	5,894,017	04/13/99	Sagel et al.
<u>LR</u> ₈₄	6,096,328	08/01/00	Sagel et al.
<u>LR</u> ₈₅	6,136,297	10/24/00	Sagel et al.
<u>LR</u> ₈₆	6,551,579	04/22/03	Sagel et al.
<u>LR</u> ₈₇	6,089,869	07/18/00	Schwartz
<u>LR</u> ₈₈	6,545,147	04/08/03	Seebach et al.
<u>LR</u> ₈₉	6,036,493	03/14/00	Sharma
<u>LR</u> ₉₀	5,766,011	06/16/98	Sibner

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Att'y Docket No.: 7678.804.1.2
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<u>LR</u> 91	5,571,501	11/05/96	Toy
<u>LR</u> 92	5,747,008	05/05/98	Wason et al.
<u>LR</u> 93	6,545,283	04/08/03	Williams et al.
<u>LR</u> 94	4,983,380	01/08/91	Yarborough
<u>LR</u> 95	5,009,885	04/23/91	Yarborough
<u>LR</u> 96	5,645,428	07/08/97	Yarborough
<u>LR</u> 97	5,713,738	02/03/98	Yarborough
___ 98			

Foreign Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Publication Date</u>	<u>Country or Patent Office</u>
<u>LR</u> 99	WO 99/12517	03/18/99	PCT
<u>LR</u> 100	WO 00/54699	03/2000	

Examiner: Leph Robert Date Considered: 11/23/05
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Other Documents

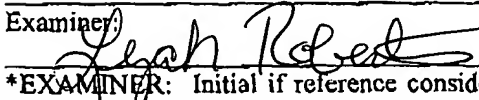
(including author, title, pertinent pages, etc.)

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Initial*

- 101 ~~Dentistry Today Buyers' Guide to Whitening Systems, Par5126B0B2133, Dec 1997~~
- 102 ~~Bitter, Norman C., "A scanning electron microscope study of the long-term effect of bleaching agents on the enamel surface in vivo", General Dentistry (Jan./Feb. 1998), pp. 84-88~~
- 103 ~~Shannon, Heather et al., "Characterization fo enamel exposed to 10% carbamide peroxide bleaching agents", Quintessence International (Vol 24, No. 1, 1993), pp. 39-44~~
- 104 ~~Perdigao, Jorge et al., "Ultra-morphological study of the interaction of dental adhesives with carbamide peroxide bleached enamel", American Journal of Dentistry (vol. 11, No. 6, Dec. 1998), pp. 291-301~~
- 105 ~~Pinheirojunior, Eliton Cavalcante et al., "In Vitro Action of Various Carbamide Peroxide Gel Bleaching Agents on the Microhardness of Human Enamel", Braz. Dent. J. (1996) 7(2): 75-79~~
- 106 ~~"Buyers' Guide to Whitening System", Dentistry Today (Dec. 2000), pp. 90, 92, 94, 96, 98, 100, 101 & 102.~~
- 107 ~~Denmat Website (<http://www.denmat.com>), "Professional Tooth Whitening Systems" (2 pages, Jan., 2001)~~
- 108 ~~Discus Dental Website (<http://www.discusdental.com>), "Whitening" (7 pages, Jan. 2001)~~
- 109 ~~Ultradent Website (<http://www.ultradent.com>), "Materials & Procedures Manual - Tooth Whitening" (9 pages, Jan. 2001)~~
- LR 110 US 2003/0082114, U.S. Patent Application Publication, Pub. Date May 1, 2003, Patches for Teeth Whitening, Kim et al.

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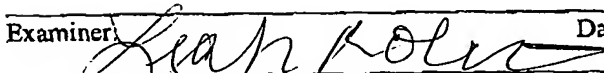
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